

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-706 REV. A AND ICA-D412-706 REV. 0

REF TCCA STC: SH04-54  
REF FAA STC: SR02055NY  
REF. EASA STC: EASA.IM.R.S.01180

## DESCRIPTION:

AT CHG 002, THE D412-706-011 FUEL PURGE CANISTER INSTALLATION HAS BEEN MODIFIED WITH LARGER VENT LINES TO ELIMINATE BACK PRESSURE THAT MAY OCCUR WHEN STARTING THE SECOND ENGINE IF THE CANISTER HAS NOT BEEN PROPERLY DRAINED. THE BACK PRESSURE IS EVIDENCED BY AN ONGOING VAPOR DISCHARGE FROM THE CANISTER VENT AT LOW TO MEDIUM RPM WHILE STARTING THE 2nd ENGINE. THE UPDATED PARTS LIST IS SHOWN BELOW:

**IS**

QTY -011	PART NUMBER	DESCRIPTION
X	D412-706-011	FUEL PURGE CANISTER INSTALLATION (212/412)
1	D2001-4	VALVE ASSEMBLY
1	D3262-043	CANISTER ASSEMBLY (WAS D3262-041)
2	D3264-1	BRACKET
1	D3297-1-0098	HOSE ASSEMBLY
1	D3297-3-0085	HOSE ASSEMBLY
1	D3297-3-0210	HOSE ASSEMBLY
1	D4054-001	TUBE ASSEMBLY (WAS D3298-001)
1	D4054-003	TUBE ASSEMBLY (WAS D3298-003)
1	D3298-005	TUBE ASSEMBLY
1	D3298-007	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY (WAS D3298-009)
1	D3299-7	FITTING (WAS 3299-1)
1	D3299-3	FITTING
1	D3299-5	FITTING
1	D3301-1	PLACARD
1	D3301-3	PLACARD
1	D3302-1	DOUBLER
1	D3302-3	DOUBLER
2	D3329-1	BUSHING

Continue on next sheet

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED 	
BY:	D. SHEPHERD (DE # 02)
DATE:	11.06.06
CERT. NO.:	SH04-54
ISSUE NO.:	1

B	SHEET 2: D412-706-011 KIT: QTY(7) MS29512-06 WAS QTY(8), QTY(3) MS29512-08 WAS QTY(2), MS35489-16 WAS MS35489-11; DSI 9494-011 KIT P/L: ADDED AN814-8D PLUG AND MS35489-16 GROMMET, QTY(3) MS29512-08 O-RING WAS QTY(2). SHEET 3: AN814-8D PLUG WAS AN814-6D PLUG AND MS29512-08 WAS MS29512-06. REASON: NCR11-641.		MB	11.06.03
A	NEW ISSUE		RF	10.01.07
REV.	DESCRIPTION		BY	DATE
DESIGN	RF	DART AEROSPACE LTD		
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA		
CHECKED	UP	DRAWING NO.	REV. B	
MFG. APPR.	N/A	DSI 9494	SHEET 1 OF 3	
APPROVED	CH	TITLE	SCALE	
DE APPR.	SH	212/412 CANISTER UPGRADE KIT	NTS	
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Continue from previous sheet

B	4	AN3-5A	BOLT	
	1	AN814-8D	PLUG	
	2	AN815-6D	UNION	
	1	AN815-8D	UNION	(WAS AN815-6D)
	1	AN832-6D	UNION	
	1	AN833-6D	ELBOW	
	1	AN833-8D	ELBOW	(WAS AN833-6D)
	4	AN924-6D	NUT	
	1	AN924-8D	NUT	(WAS AN924-6D)
	1	AN938-6D	TEE	
	4	AN960JD10L	WASHER (OR NAS1149D0332J)	
	8	AN960JD10	WASHER (OR NAS1149D0363J)	
	2	AN960JD916	WASHER	
	4	MS21042L3	NUT	
	2	MS21919WDG9	CLAMP	
	2	MS21920-42	CLAMP	
B	7	MS29512-06	O-RING	(WAS MS28778-6)
	3	MS29512-08	O-RING	(WAS MS28778-8)
	1	MS35489-16	GROMMET	

FOR CUSTOMERS WHO HAVE EXPERIENCED THIS PROBLEM IN SERVICE, THE DSI 9494-011 UPGRADE KIT IS AVAILABLE TO UPGRADE THE INSTALLATION FROM CHG 001 TO CHG 002.

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9494-011	212/412 CANISTER UPGRADE KIT
1	D3262-043	CANISTER ASSEMBLY
1	D4054-001	TUBE ASSEMBLY
1	D4054-003	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY
1	D3299-7	FITTING
B	1	AN814-8D
	1	AN815-8D
	1	AN833-8D
B	1	AN924-8D
	3	MS29512-08
	1	MS35489-16
		GROMMET





**WEIGHT AND BALANCE:**  
NO CHANGE

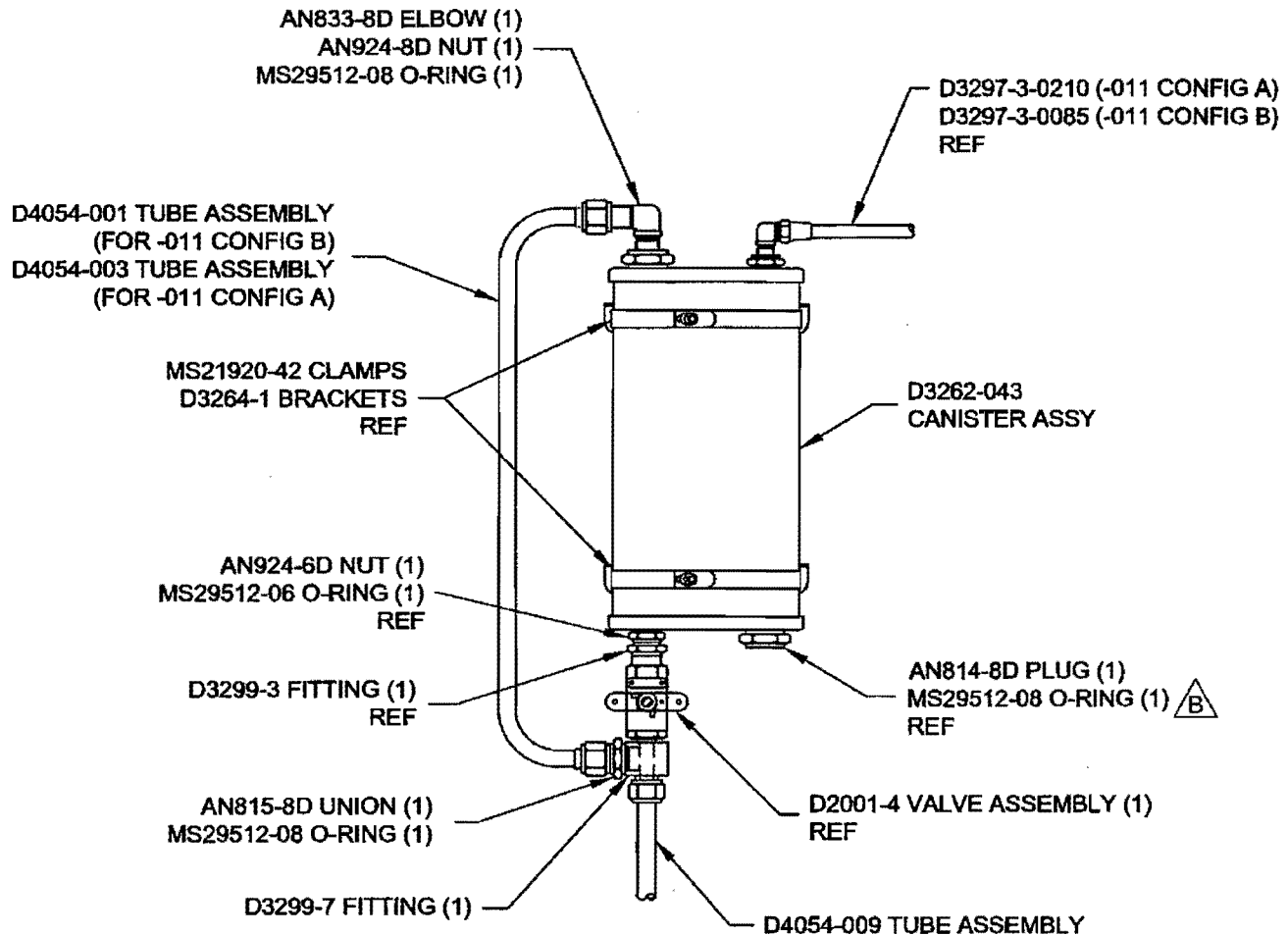
CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 11.06.06  
CERT. NO.: SH04-54  
ISSUE NO.: 1

DESIGN	RF	<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		DSI 9494	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		212/412 CANISTER UPGRADE KIT	NTS
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**FIGURE 1. CANISTER ASSEMBLY**  
(-011 INSTALLATION AT CHG 002)

$\triangle B$  NOTE: FOR THE LARGER D4054-009 LINE, CUSTOMER MUST DRILL A  $\phi 0.813$  HOLE AND INSTALL MS35489-16 GROMMET INSTEAD OF MS35489-11 GROMMET IN BELLY SKIN.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY: *[Signature]*  
D. SHEPHERD (DE # 02)

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CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
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